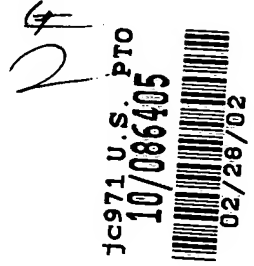


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



APPLICANT: HARTMANN ET AL.
SERIAL NO.: NOT YET ASSIGNED
FILING DATE: HEREWITH
TITLE: APPARATUS FOR PLACING A SEMICONDUCTOR CHIP AS A
FLIPCHIP ON A SUBSTRATE
EXAMINER: NOT YET ASSIGNED
ART UNIT: NOT YET ASSIGNED

CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service as First Class
Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231, on the date
printed below:

Date:

2/28/02

Name:

L Salazar
Lola Salazar

COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Each item of information listed in the attached FORM PTO-1449, for which a
copy of each is attached, may be material to the examination of the above-identified
application and is, therefore, submitted in compliance with the duty of disclosure defined
in 37 CFR §§ 1.56, 1.97 and 1.98. The Examiner is requested to make these items of
official record in this application.

This Information Disclosure Statement under 37 CFR §§ 1.56, 1.97 and 1.98 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these items constitutes prior art.

I

This statement is filed pursuant to:

(X) 37 C.F.R. § 1.97(b).

This information disclosure statement is filed either (1) within three months of the filing date of a national application other than a continued prosecution application under §1.53(d); (2) within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application; or (3) before the mailing date of a first office action on the merits, whichever event occurs last.

Accordingly, this information disclosure statement requires no fee and no certification.

() 37 C.F.R. § 1.97(c).

This information disclosure statement is filed after the period specified in 37 C.F.R. § 1.97 (b), but before the mailing date of either (1) a final action under 37 C.F.R. § 1.113; (2) a notice of allowance under 37 C.F.R. § 1.311; or (3) an action that otherwise closes prosecution in the application.

Accordingly, this information disclosure statement requires either the fee specified in 37 C.F.R. § 1.17 (p) for submission of an information disclosure statement under 37 C.F.R. § 1.97 (c) (\$180); or a certification according to 37 C.F.R. § 1.97 (e).

() 37 C.F.R. § 1.97(d).

This information disclosure statement is filed after the period specified in 37 C.F.R. § 1.97 (c).

Accordingly, this information disclosure statement requires the fee specified in 37 C.F.R. § 1.17 (p) to consider an information disclosure statement under 37 C.F.R. § 1.97(d) (\$180), and a certification according to 37 C.F.R. § 1.97(e).

If this statement crosses in the mail with an office action, or is otherwise not in the indicated category of 37 C.F.R. § 1.97, it is respectfully requested that this statement be treated in the next appropriate category and made of record. To the extent required, please treat this paper as a conditional petition for acceptance of the information disclosure statement.

II

- (X) No fee is due.
- () The fee specified in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c) is enclosed (\$180).

Please charge any additional required fee or credit any overpayment to our deposit account number 50-1698. An additional copy of this page is enclosed.

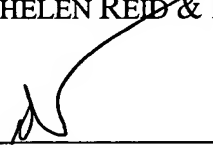
III

Pursuant to 37 C.F.R. § 1.97(e) , I certify:

- (X) No certification is necessary.
- () (1) Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the statement.
- () (2) No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c), more than three months prior to the filing of the statement.

Respectfully submitted,
THELEN REID & PRIEST LLP

Dated: February 27, 2002



David B. Ritchie
Reg. No. 31,562

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Sheet 1 of 1

<div>37 CFR 1.501</div> <div>INFORMATION DISCLOSURE CITATION IN A PATENT</div> <div>(Use several sheets if necessary)</div>										Docket Number (Optional) ESEC-P146US				Patent Number NOT YET ASSIGNED							
										Applicant HARTMANN ET AL.											
										Issue Date ASSIGNED				NOT YET				Group Art Unit ASSIGNED			
U. S. PATENT DOCUMENTS																					
EXAMINER INITIAL		DOCUMENT NUMBER							DATE		NAME			CLASS		SUBCLASS		FILING DATE IF APPROPRIATE			
		5	8	3	9	1	8	7	11/24/98		SATO ET AL.			29		743		7/31/96			
FOREIGN PATENT DOCUMENTS																					
		DOCUMENT NUMBER							DATE		COUNTRY			CLASS		SUBCLASS		Translation			
																		YES	NO		
		3 0 2 9 3 3 4							7/2/91		JAPAN							X			
		0 7 7 2 2 2 9							9/30/96		EUROPE							X			
		8 2 1 0 1							5/7/01										X		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)																					
		COPY OF SEARCH REPORT																			
EXAMINER									DATE CONSIDERED												

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